

RECEIVED

OCT 18 2012

FORM OGC-3



STATE OF MISSOURI
GEOLOGICAL SURVEY PROGRAM
APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

Mo Oil & Gas Council

280' below TD

☒ APPLICATION TO DRILL ☐ DEEPEN ☐ PLUG BACK ☒ FOR AN OIL WELL ☐ OR GAS WELL

NAME OF COMPANY OR OPERATOR: Kansas Resource Exploration and Development, LLC DATE: 10/10/2012

ADDRESS: 9393 West 110th St., Suite 500 CITY: Overland Park STATE: KS ZIP CODE: 66210

DESCRIPTION OF WELL AND LEASE

NAME OF LEASE: Clark-Berry WELL NUMBER: CB-34 ELEVATION (GROUND): 1076'

WELL LOCATION: 640 ft. from ☐ North ☒ South section line 861 ft. from ☒ East ☐ West section line

WELL LOCATION: Sec. 16 Township 46 North Range 33 ☐ East ☒ West LATITUDE: N38 48' 13.15" LONGITUDE: W94 34' 14.29" COUNTY: Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 640 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: 350 FEET

PROPOSED DEPTH: 700' DRILLING CONTRACTOR, NAME AND ADDRESS: Utah Oil, LLC ROTARY OR CABLE TOOLS: Rotary APPROX. DATE WORK WILL START: 11/01/2012

NUMBER OF ACRES IN LEASE: 370 NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 7 NUMBER OF ABANDONED WELLS ON LEASE: 0

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?
NAME: DE Exploration ADDRESS: 4595 Highway K33, Wellsville, KS 66092 NO. OF WELLS PRODUCING: 4 INJECTION: 2 INACTIVE: 0 ABANDONED: 0

STATUS OF BOND: ☐ SINGLE WELL AMOUNT \$ _____ ☒ BLANKET BOND AMOUNT \$ 160,000 ☒ ON FILE ☐ ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)

| PROPOSED CASING PROGRAM | | | | APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST | | | |
|-------------------------|--------|-------|---------|--|--------|-------|-------------|
| AMOUNT | SIZE | WT/FT | CEMENT | AMOUNT | SIZE | WT/FT | CEMENT |
| 20' | 8 5/8" | 20 | 8 sks | 20' | 8 5/8" | 20 | Full Length |
| 700' | 4 1/2" | 11.6 | 125 sks | 700' | 4 1/2" | 11.6 | |
| | | | | | | | |
| | | | | | | | |

I, the Undersigned, state that I am the C.O.O of the K.R.E.D (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE: TSK DATE: 10/15/12

PERMIT NUMBER: 037-21158 ☒ DRILLER'S LOG REQUIRED ☒ E-LOGS REQUIRED IF RUN
APPROVED DATE: 12-5-12 ☒ CORE ANALYSIS REQUIRED IF RUN ☒ DRILL SYSTEM TEST INFO REQUIRED IF RUN
APPROVED BY: Joseph A. Williams ☐ SAMPLES REQUIRED ☒ SAMPLES NOT REQUIRED
☐ WATER SAMPLES REQUIRED AT

NOTE - THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE

I, B. Leech of the Utah Oil (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE: B. Leech DATE: 10/16/12



| | |
|--|--------------------------------|
| OWNER'S NAME Kansas Resource Exploration & Development | |
| LEASE NAME Clark-Berry CB-34 | COUNTY Cass |
| WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) <u>640</u> ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South from section line <u>861</u> ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West from section line | |
| WELL LOCATION Sec. <u>16</u> Township <u>46</u> North Range <u>33</u> <input type="checkbox"/> East <input checked="" type="checkbox"/> West | |
| LATITUDE N38° 48' 13.15" ✓ | LONGITUDE W94° 34' 14.29" ✓ |



Section 16 is larger than 1 square mile. One square equals 682.25 feet, which accounts for the larger dimensions of this section.

On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.

This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

REMIT TWO (2) COPIES TO:
GEOLOGICAL SURVEY PROGRAM
PO BOX 250, ROLLA, MO 65402-0250 (573) 368-2143
ONE (1) COPY WILL BE RETURNED

REGISTERED LAND SURVEYOR

NUMBER



Missouri Department of Natural Resources

Geographic Information Systems

Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

Submit

☐ Universal Transverse Mercator [Zone 15 North]

Easting
 363617.0723062322 meters

Northing
 4296159.666084487 meters

☐ Decimal Degrees

Latitude
 38.8036527777778 °

Longitude
 -94.5706361111111 °

☒ Degrees, Minutes and Seconds

Latitude Degrees
 38 °

Latitude Minutes
 48 '

Latitude Seconds
 13.15 "

Longitude Degrees
 -94 °

Longitude Minutes
 34 '

Longitude Seconds
 14.29 "

| | |
|----------------------------------|---|
| UTM Zone 15N [Easting, Northing] | [363617.0, 4296159.6] meters |
| Decimal Degrees [Lat, Lon] | [38.803652°, -94.570637°] |
| Deg, Min, Sec [Lat, Lon] | [38° 48' 13.1", -94° 34' 14.2"] |
| County Name | Cass |
| County FIPS Code | 037 |
| Legal Description | Section 16 T46N R33W |
| Municipality | NO VALUE |
| House District | 123 |
| Senate District | 31 |
| Congressional District | 5 |
| MoDNR Region | Kansas City Regional Office |
| USGS 1:24,000 Quadrangle | Belton [38094-G5] |
| 8 Digit Watershed | 10290108 [South Grand] |
| 10 Digit Watershed | 1029010801 [Headwaters South Grand River] |
| 12 Digit Watershed | 102901080101 [East Creek] |
| Special Well Drilling Area | Area 2 |
| Ecological Drainage Unit | Central Plains/Osage/South Grand |
| Level III Ecoregion | Central Irregular Plains |
| Query Time | 6.172 s |

Rows with **red** text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

Well ID: #005390

Elev. 106'

$\frac{P}{M}$: 229' elev.

$P_c - M$: 345'

Well ID: #026255

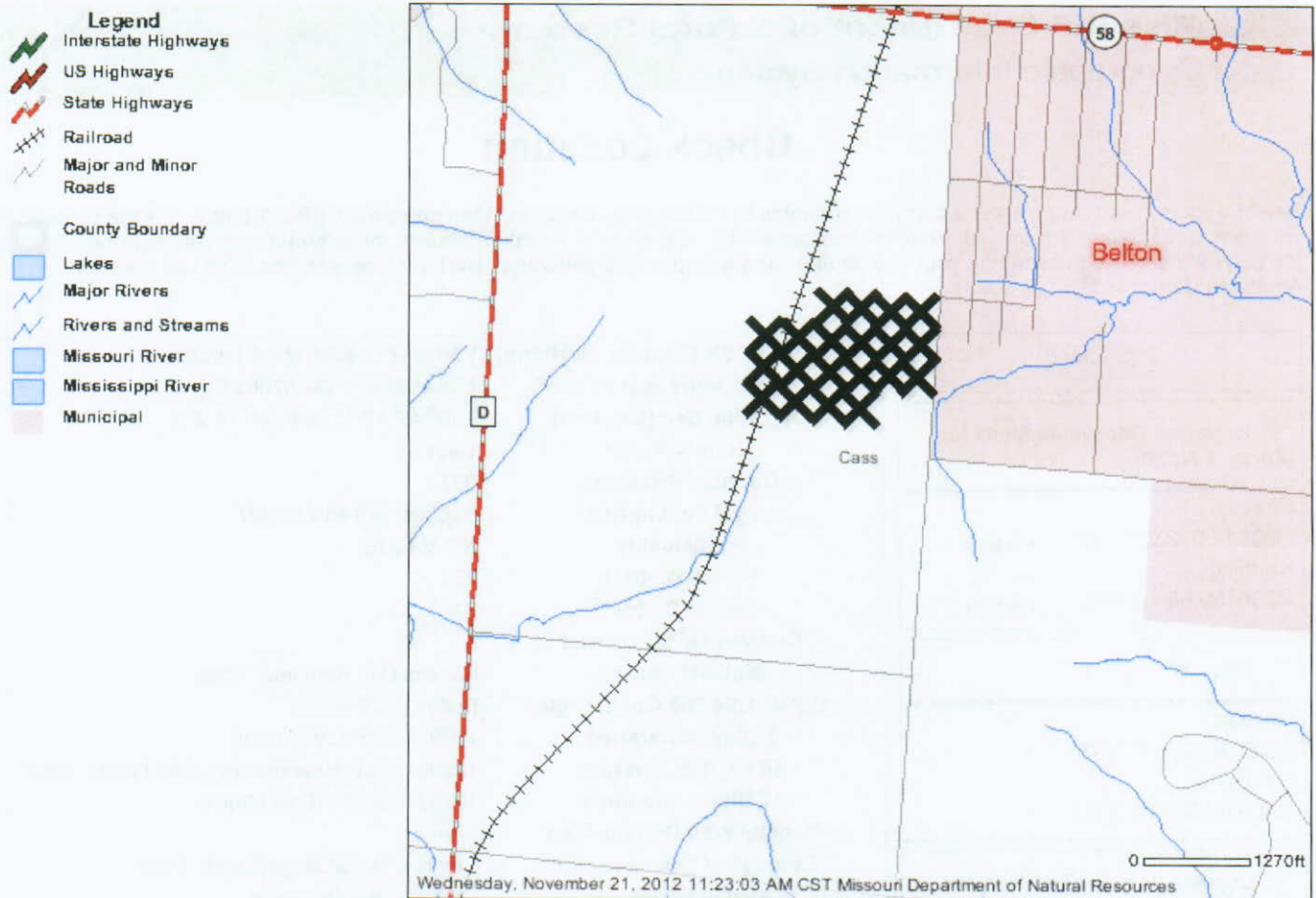
P_c : 535' TD

1076-535-345

⇒ 196' dev.
 $\frac{P}{M}$

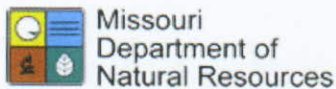
Metadata

- Interstate Highways
- US Highways
- State Highways
- Railroad
- Major and Minor Roads
- County Boundary
- Lakes
- Major Rivers
- Rivers and Streams
- Missouri River
- Mississippi River
- Municipal



View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



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